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April 2, 2019

## Denver Advanced Practices in Unconventional Basins



Embassy Suites - Downtown Convention Center 1420 Stout St, Denver, CO 80202

April 17-18, 2019

*Sponsorship opportunities available!*

[Register Now](#)

The Society of Petroleum Engineers Denver Section is pleased to host the Advanced Practices in Unconventional Basins covering key topics and challenges in Unconventional Basins, geared towards professionals with experience in these types of basins.

Plan to attend to learn from the experts in Unconventional Basins and Technologies. The event will feature extended technical sessions and multiple networking opportunities.

Event details, registration, agenda and speakers, and sponsorship opportunities can be found on the event website: [www.dapub.org](http://www.dapub.org)

Registration includes admittance to the two day technical sessions, access to related presentations, daily keynote lunches, Colorado School of Mines Technology Expo and Paper Contest, and Thursday Networking Reception.

**Registration**

SPE Member	\$650 USD
Non-Member	\$850 USD

## DAPUB Keynote Awards Lunch

Level 3, Embassy Suites, 1420 Stout St. Denver, CO 80202

Wednesday, April 17, 2019, 11:30 AM - 1:00 PM

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**Thanks to This Month's Newsletter Sponsor:**

## Register Now

Join us for the DAPUB Keynote Speech and Awards Luncheon as part of DAPUB. Shauna Noonan, the 2020 SPEi President, will be giving the Keynote address at the Denver Section and Rocky Mountain Regional awards lunch.

Sponsored by: TD Geosteering

## CSM Joint Session and Networking Event

📍 Level 3, Embassy Suites, 1420 Stout St. Denver, CO 80202  
📅 Wednesday, April 17, 2019, 5:00 PM - 7:00 PM

## Register Now

Colorado School of Mines students will have the opportunity to present their work as posters, at this networking happy hour. Come down and mingle with the students, vote on best in show and have a drink with colleagues.

Sponsored by: Antero Resources

## YOUNG PROFESSIONALS

### Lunch & Learn - Consistent Hole Diameter Perforation Charge Technology *Craig Beveridge, Well Solutions Manager, Owen Oil Tools*

📍 Halliburton Training Room, 1125 17th St Suite 1900, Denver, CO 80202  
📅 April 10, 2019, 11:30 AM - 1:00 PM  
*Lunch will be provided*

## Register Now

### Abstract:

It is not a stretch to say that horizontal unconventional wells have changed the discipline of perforating in ways not many could have envisioned years ago. There have been many attempts to come to market with "THE" perforating system for unconventional wells. Some systems have shown promise and for others the jury is still out but it would be difficult to argue that consistent hole size perforating systems don't make sense. In many basins, consistent hole size perforating systems have become the standard for new well completions.

As production from many of the earlier unconventional wells has declined, the desire to revitalize those wells is leading to a new industry subset we will refer to as REFRAC. We will discuss the importance of consistent hole size perforations in REFRAC wells and the need for systems designed specifically to meet new challenges presented by the various techniques being used to refracture unconventional wells.

### Bio:

Craig Beveridge is the Well Solutions Manager for the Owen Oil Tools business unit of Core Laboratories where he assists clients in choosing the correct perforating solutions for their completion challenges. Craig also acts as a liaison with operating companies providing technical information, teaching various courses and working to develop new solutions to enhance perforating system performance in a variety of applications.



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[SPE Denver Website](#)



Mr. Beveridge's career spans over 37 years in a number of positions within the perforating discipline, beginning with a start in the wireline cased hole service business with NL McCullough in 1982 and continuing on to his present day assignment.

In addition to his wide ranging technical support knowledge Craig is a subject matter expert concerning oilfield explosive safety and has travelled the world providing training to service companies and operators alike about American Petroleum Institute Recommended Practice 67 (API RP 67). The list of courses he has taught is extensive and includes The Science and Technology of Explosives and Nodal Analysis. Craig has authored articles in several publications and received a Bachelor of Science degree in Geology from Muskingum College.

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## YP Happy Hour

📍 Henry's Tavern, 500 16th St Mall, Denver, CO 80202

📅 April 10, 2019, 4:30 PM - 6:00 PM

Sponsored by [Basin Fluids](#)

Join us for a drink and appetizers to catch up and network with friends and colleagues.



## SUMMER SOCIAL

📍 Denver Athletic Club Rooftop, 1325 Glenarm Pl, Denver, CO 80202

📅 June 6, 2019, 4:30 PM - 7:00 PM

[Register Now](#)

Come and celebrate with the Denver Section to kick off summer. Meet 25+ year members, mingle with the board, enjoy the food, music. There will be door prizes. Ticket includes 2 drink tickets.



Price: \$20 members, \$25 non-members, \$30 walk-in

## 2019-2020 Executive Board Voting Slate

At the May 2019 General Meeting, members of the SPE Denver Section will have the opportunity to vote to confirm the following nominees for the Denver Section Executive Board:

Position	Nominee
Section Chairperson	Kelly Wingard
Program Chairperson	Angela Dang
Secretary	Eric Lyche
Treasurer	Midowa Gbededo
Treasurer Elect	Jessica Iriate
Membership Chairperson	Karthik Srinivasan
Community Outreach Chairperson	Davis SCott
Young Professionals Chairperson	Kyle Barnoff
Section Chairperson One-Year	Deb Ryan
Director	Wendell Salas
Director	Justin Knappe

## 2019 Denver SPE Golf Tournament

 The Ridge at Castle Pines North  
 August 8-9, 2019

Registration begins March 18th for Sponsors.

All proceeds benefit the Denver SPE Scholarship Fund, with over \$35,000 donated in 2018!

Format: Four-person Scramble

Tournament Information: Each foursome will play one round with a Shotgun start time of either 7:30am or 1:00pm depending on your selected preference. Sponsors will receive first preference on Tee Times.



Tee times will be guaranteed ONE month prior to the tournament and not before!

Fees: \$800 per foursome – includes breakfast/lunch for morning tee times or lunch/dinner for afternoon tee times. Door and Skill prize drawings take place following each round.

Sponsorships: We offer four levels of sponsorship donation. Those companies generously donating \$1,500 or more will receive the ultimate recognition as a Platinum Sponsor. Likewise, companies donating \$1,000, \$500 or \$300 will be recognized as Gold, Silver, or Bronze sponsors. The sponsoring companies will be recognized at the tournament and in the SPE Newsletter.

Registration will only be open to sponsors until June 3rd. At that time registration will open to non-sponsors.

## COMPLETIONS STUDY GROUP - Anti-Collision Best Practices Developed for Horizontal Drilling across Pre-Existing Horizontal Wellbores

 Halliburton, 1125 17th St. Suite 1900  
 April 25, 2019 11:30AM-1:00PM  
Join us for this event!

**Speaker:** Rachel Grande, Sr. Geologist, Sundance Energy and Erin Britton, Sr. Drilling Engineer, Sundance Energy

### Abstract:

Historically, horizontal wells were drilled using a vast array of well designs and orientations due to the limitations of technology, industry practices and standards, and the insufficient understanding of the reservoir. As the horizontal infill development of unconventional reservoirs progresses, complex wellbore trajectories with heightened collision concerns will be required. To achieve this requires advancing the industry's anti-collision standard practices with new and more precise anti-collision methods, detailed planning, and near perfect execution. Advancements in drilling and completions technologies and a better understanding of the reservoir now allow leases to be reassessed for infill potential. This increased infill development has led to increasingly complex wellbore trajectories with collision concerns not only for existing vertical wellbores but now also for existing horizontal wellbores within the same or proximal horizons.

Advancing anti-collision best practices include directional and geologic planning considerations, operational tolerances and requirements including zonal determination, communication protocols, and risk management practices. Creating a broad framework that allows for flexibility to adjust for distinct operational constraints. These workflows and tolerances have been implemented in five horizontal wellbores traversing nine same-formation pre-existing horizontal wellbores. The anti-collision method was successfully applied in three formations across two basins, each example has varied and unique geologic characteristics, demonstrating applicability for a wide range of reservoirs. The ability to execute complex wellbores opens new opportunities to access additional resources in previously considered "fully developed" acreage.

## Bios:



Rachel Grande, Sr. Geologist - with over 9 years energy industry experience specializing in operational geology and field development. Holds a B.S. in Geological Sciences from Ball State University. Experience in multiple basins & plays including Williston, Powder River, and Western Gulf Coast Basins. Rachel's operational experience includes extended reach drilling, horizontal-to-horizontal anti-collision drilling, and has extensive field experience.



Erin Britton is a petroleum engineer with over 9 years energy industry experience specializing in drilling engineering with a focus in project management and leadership. Mrs. Britton holds a Bachelor of Science in Petroleum Engineering from the University of Oklahoma and a Master of Energy Business from the University of Tulsa. Throughout her career she has managed multi-million dollar projects with large multi-discipline teams both nationally and internationally with experience across multiple basin & plays including Piceance Basin, Anadarko Basin, Williston Basin, Powder River Basin, West Siberia Basin, and more. Erin's drilling experience includes extended reach drilling, horizontal-to-horizontal anti-collision drilling, multilateral drilling, and horizontal and reentry drilling projects.

Please note that the Study Group is a bring your own lunch event.

## COMMUNITY OUTREACH

Do you want to teach young students about energy, serve breakfast at the Denver Rescue Mission, or judge science fairs? Join other SPE members in giving back to our community!



### Upcoming Events:

- Colorado Science and Engineering Fair, April 11-13th, Colorado State University
- Special Olympics Colorado Polar Plunge, Friday, April 19th, Improper City in RiNo
- High School Science Project Competition, ~1-hr before the May General Meeting, May 15th, Denver Athletic Club
- GESTEM (Girls Exploring STEM) Conference, Tuesday, May 21st, Auraria Campus in Denver.

Please Contact Community Outreach Chair, Ellen Scott, for more details!. [ellen.scott@fractureid.com](mailto:ellen.scott@fractureid.com)

## CSM Student Chapter

### 2019 Clayshoot Fundraiser

 Kiowa Creek Sporting Club - 46700 County Road 30, Bennett, CO 80102  
 April 11, 2019

Register Now

Kindly consider giving sometime to season the bright and future generation of the oil and gas industry.

For registration and sponsorship opportunities, please click the 'Register Now' link above!

CSM SPE PRESENTS:

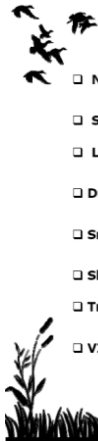


# 2019 Clayshoot Fundraiser

Date & Time: April 11th from 12pm - 4pm

Location: Kiowa Creek Sporting Club 46700 County Rd 30,  
Bennett, CO 80102

To register go to <https://goo.gl/forms/I59DqwVZvpPuZSsG3>



## 2019 CSM SPE Clayshoot Fundraiser Sponsorship

*SPE student chapter will work with sponsors on advertising strategy and public image.*

- Name/Title Sponsorship** **\$3,000**  
 Includes logo placement on all advertisements CSM SPE will use on campus and within on campus clubs. Prominent logo placement on event registration table, volunteer sign up forms, and poster advertising.
- Score Sheet Sponsorship** **\$2,000**  
 The scorecard given to each shooter will feature the company logo.
- Lunch Sponsorship** **\$1,750**  
 Includes advertising at lunch location and recognition for sponsoring the lunch. Possibilities include branded napkins or placemats.
- Drink Sponsorship** **\$1,500**  
 Branded drink wristbands used to differentiate over/under 21 attendees. Posters or banners featuring the company logo. Branded coolers, cozies, or other beverage related items are possible.
- Snack Sponsorship** **\$1,250**  
 Company logo featured at snack table, sponsorship would pay for snacks and could include snack donations.
- Shooting Station Sponsorship** **\$300**  
 10 shooting stations are available to be branded
- Truck Photo Shoot Sponsorship** **\$1,000**  
 A truck bed photo shoot is available to be set up. Registration and payment booth would feature company logos
- VIP Carts (Seats 4)** **\$2,000**  
 Help the student chapter send students to Calgary, Alberta for 2019 ATCE! The VIP cart will be provided to groups of 4 to enjoy shooting on the go and special thanks will be given at the event. Limited quantity available.

Please Contact [nbourdon@myemail.mines.edu](mailto:nbourdon@myemail.mines.edu) for sponsorship details



## CSM SPE Fundraiser Golf Tournament

On behalf of CSM SPE Student Chapter, we would like to announce save the dates for the upcoming Clayshoot and Golf Tournament.



Colorado School of Mines SPE Chapter Presents:  
**September 20<sup>th</sup> 2019 Golf Tournament**  
 Fossil Trace ○ Golden, CO

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Interested in:

- Participation as a group of four professionals
- Participation as a group of three professionals and one student
- Participation as a single golfer
- Sponsorship opportunities
- Hole sponsorship

Please email completed form and information requests to Nicole Bourdon ( [nbourdon@mymail.mines.edu](mailto:nbourdon@mymail.mines.edu) )

## University of Colorado Global Energy Management Program Open House

Please join the University of Colorado Global Energy Management Program Open House and Networking Event on Thursday, April 11.

For more information and to RSVP, please click [here](#).

**Business School**  
UNIVERSITY OF COLORADO DENVER

# OPEN

The Global Energy Management Program  
Presents  
The GEM Open House & Networking Event

On **Thursday, April 11** the Global Energy Management Program at the University of Colorado Denver Business School is hosting one of the region's premier energy networking events for Rocky Mountain professionals.

**Thursday, April 11**  
5:30 p.m. – 7:30 p.m.

CU Denver Business School 5<sup>th</sup>  
Floor, Laube Commons  
1475 Lawrence St, Denver CO  
80202

**Why should you attend?**

- > Network with current GEM students and alumni to hear about how the GEM Program has grown their career opportunities
- > Speak with GEM faculty members – 87% of whom have extensive experience working in energy
- > Learn more about the individualized, FREE career coaching and management services provided by CU Denver Business Career Connections
- > Enjoy great food, cocktails and conversation

**Accelerate your career by becoming one of the 55% of GEM students who have received a promotion within six months of graduating!**

University of Colorado Denver | Business School  
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### Society of Petroleum Engineers - Denver Section

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222 Palisades Creek Dr.  
Richardson, TX 75080-2040 USA

#### Asia Pacific

Level 35, Gardens South Tower  
Mid Valley City, Lingkaran Syed Putra  
59200 Kuala Lumpur, Malaysia

#### Europe

1st Floor, Threeways House  
40/44 Clipstone Street  
London W1W 5DW UK

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